

WHAT IS CLAIMED IS:

1 1. A system for applying pressure to a body limb, said system
2 comprising:
3 a first sleeve configured to be slid over the limb and to apply an inward
4 pressure onto the limb;
5 a second sleeve configured to be slid over the first sleeve and to apply
6 additional inward pressure onto the limb; and
7 a third sleeve configured to be slid over the second sleeve and to apply
8 additional inward pressure onto said limb.

1 2. A system as in claim 1, wherein at least the first sleeve has an outer
2 surface with a low coefficient of friction.

1 3. A system as in claim 2, wherein at least the second and third sleeves
2 consist essentially of thin fabric sleeves.

1 4 . A system as in claim 3, wherein each of the sleeves independently
2 provide an inward pressure in the range from 5 mmHg to 30mmHg.

1 5. A system for applying pressure to a body limb, said system
2 comprising:
3 an innermost therapeutic pressure sleeve (TPS) having ridges formed over an
4 inner surface and configured to be slid over the limb and to apply an inward pressure onto the
5 limb; and
6 at least a second sleeve configured to be slid over the TPS to apply additional
7 inward pressure onto the limb.

1 6. A system as in claim 5, wherein at least the TPS has an outer surface
2 with a low coefficient of friction.

1 7. A system as in claim 6, further comprising at least a third sleeve
2 configured to be slid over the second sleeve to apply additional inward pressure onto the
3 limb.

1 8. A system as in claim 7, wherein at least the second and third sleeves
2 consist essentially of thin fabric sleeves.

1 9 . A system as in claim 8, wherein each of the TPS and sleeves
2 independently provide an inward pressure in the range from 5 mmHg to 30mmHg.